

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 63. (canceled)

64. (previously presented) A method of improving the water resistance of an O/W formulation, wherein the method comprises incorporating in the O/W formulation at least one film-forming, water-soluble or water-dispersible polyurethane.

65. (new) The method claim 64, wherein the O/W formulation further comprises at least one UV filter substance.

66. (new) The method of claim 64, wherein the at least one polyurethane has a K value of from 25 to 100.

67. (new) The method of claim 66, wherein the at least one polyurethane has a K value of up to 50.

68. (new) The method of claim 64, wherein the at least one polyurethane comprises at least one of an anionic polyurethane and a salt thereof.

69. (new) The method of claim 68, wherein the at least one of an anionic polyurethane and salt thereof comprises at least one of a polyurethane A of (a) at least one compound comprising two or more active hydrogen atoms per molecule, (b) at least one diol comprising at least one of an acid group and a salt group, and (c) at least one diisocyanate; and a salt of polyurethane A.

70. (new) The method of claim 69, wherein polyurethane A has a glass transition temperature of at least 15°C and an acid number of from 12 to 150.

71. (new) The method of claim 64, wherein the at least one polyurethane comprises at least one of a cationic polyurethane, a cationic polyurea and a salt thereof.

72. (new) The method of claim 71, wherein the at least one polyurethane comprises at least one of a cationic polyurethane and a cationic polyurea of (a) at least one diisocyanate which may have been pre-reacted with one or more compounds comprising two or more active hydrogen atoms per molecule, (b) at least one substance selected from diols, primary and secondary aminoalcohols, primary and secondary diamines, and primary and secondary triamines having one or more tertiary, quaternary or protonated tertiary amino nitrogen atoms; and a salt thereof.

73. (new) The method of claim 72, wherein the at least one polyurethane has a glass transition temperature of at least 25°C and an amine number of from 50 to 200.

74. (new) The method of claim 64, wherein the O/W formulation comprises an emulsion.

75. (new) The method of claim 64, wherein the O/W formulation comprises a microemulsion.

76. (new) The method of claim 64, wherein the O/W formulation comprises a hydrodispersion.

77. (new) The method of claim 65, wherein the at least one UV filter substance comprises a water-soluble UV filter substance.

78. (new) The method of claim 64, wherein the at least one polyurethane is added to the O/W formulation in an amount which results in a concentration of the at least one polyurethane of from 0.1% to 10% by weight of, based on a total weight of the formulation.

79. (new) The method of claim 65, wherein the at least one UV filter substance comprises one or more water-soluble UV-A filter substances.

80. (new) The method of claim 79, wherein the at least one UV filter substance comprises at least one of phenylene-1,4-bis(2-benzimidazyl)-3,3'-5,5'-tetrasulfonic acid, 1,4-di(2-oxo-10-sulfo-3-bornylidene-methyl)benzene and salts thereof.

81. (new) The method of claim 80, wherein the at least one UV filter substance comprises at least one of a sodium, potassium and triethanolammonium salt and a 10-sulfato compound of at least one of phenylene-1,4-bis(2-benzimidazyl)-3,3'-5,5'-tetrasulfonic acid and 1,4-di(2-oxo-10-sulfo-3-bornylidenemethyl)benzene.

82. (new) The method of claim 65, wherein the at least one UV filter substance comprises at least one broadband UV filter.

83. (new) The method of claim 82, wherein the at least one UV filter substance comprises at least one bisresorcinyltriazine compound.

84. (new) The method of claim 83, wherein the at least one UV filter substance comprises 2,4-bis{[4-(2-ethylhexyloxy)-2-hydroxy]phenyl}-6-(4-methoxyphenyl)-1,3,5-triazine.

85. (new) The method of claim 65, wherein the at least one UV filter substance comprises at least one benzotriazole compound.

86. (new) The method of claim 85, wherein the at least one UV filter substance comprises at least one of 2,2'-methylenebis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol) and 2-(2H-benzotriazol-2-yl)-4-methyl-6-[2-methyl-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)-oxy]disiloxanyl]propyl]phenol.

87. (new) A method of improving the water resistance of an O/W formulation which comprises at least one UV filter substance, wherein the method comprises incorporating into the O/W formulation at least one film-forming, water-soluble or water-dispersible polyurethane having a K value of from 25 to 100 in an amount which results in a concentration of the at least one polyurethane of from 0.1% to 10% by weight, based on a total weight of the formulation.

88. (new) The method of claim 87, wherein the at least one polyurethane has a K value of up to 50.

89. (new) The method of claim 87, wherein the at least one polyurethane comprises at least one of an anionic polyurethane and a salt thereof.

90. (new) The method of claim 87, wherein the at least one polyurethane comprises at least one of a cationic polyurethane, a cationic polyurea and a salt thereof.

91. (new) The method of claim 87, wherein the O/W formulation comprises an emulsion.

92. (new) The method of claim 87, wherein the O/W formulation comprises a microemulsion.

93. (new) The method of claim 87, wherein the O/W formulation comprises a hydrodispersion.

94. (new) The method of claim 87, wherein the at least one UV filter substance comprises a water-soluble UV filter substance.

95. (new) The method of claim 94, wherein the at least one UV filter substance comprises at least one of phenylene-1,4-bis(2-benzimidazyl)-3,3'-5,5'-tetrasulfonic acid, 1,4-di(2-oxo-10-sulfo-3-bornylidene-methyl)benzene and salts thereof.

96. (new) The method of claim 87, wherein the at least one UV filter substance comprises at least one broadband UV filter.

97. (new) The method of claim 96, wherein the at least one UV filter substance comprises at least one bisresorcinyltriazine compound.

98. (new) The method of claim 87, wherein the at least one UV filter substance comprises at least one benzotriazole compound.

99. (new) A method of improving the water resistance of an O/W emulsion which comprises at least one UV filter substance, wherein the method comprises incorporating into the O/W emulsion at least one film-forming, water-soluble or water-dispersible polyurethane having a K value of from 25 to 100.

100. (new) The method of claim 99, wherein the at least one polyurethane has a K value of up to 50.

101. (new) The method of claim 99, wherein the at least one polyurethane comprises at least one of an anionic polyurethane and a salt thereof.

102. (new) The method of claim 99, wherein the at least one polyurethane comprises at least one of a cationic polyurethane, a cationic polyurea and a salt thereof.

103. (new) The method of claim 99, wherein the at least one UV filter substance comprises a water-soluble UV filter substance.

104. (new) The method of claim 103, wherein the at least one polyurethane is added to the O/W formulation in an amount which results in a concentration of the at least one polyurethane of from 0.1% to 10% by weight, based on a total weight of the formulation.

105. (new) The method of claim 104, wherein the at least one UV filter substance comprises one or more water-soluble UV-A filter substances.

106. (new) The method of claim 105, wherein the at least one UV filter substance comprises at least one of phenylene-1,4-bis(2-benzimidazyl)-3,3'-5,5'-tetrasulfonic acid, 1,4-di(2-oxo-10-sulfo-3-bornylidene-methyl)benzene and salts thereof.

107. (new) The method of claim 99, wherein the at least one UV filter substance comprises at least one broadband UV filter.

108. (new) The method of claim 107, wherein the at least one UV filter substance comprises at least one bisresorcinyltriazine compound.

109. (new) The method of claim 99, wherein the at least one UV filter substance comprises at least one benzotriazole compound.